

Attachment 6: Budget

Table Att6-1 below presents a summary of the budget for the Project broken down by Task.

Table Att6-1: Project Budget

Budget Category		Non-State Share* (Funding Match)	Requested Grant Funding	Total
Task 1	Preparation	\$ -	\$ 46,222	\$ 46,222
Task 2	Field Work	\$ -	\$ 138,850	\$ 138,850
Task 3	Data Management/Interpretation/Report	\$ -	\$ 19,557	\$ 19,557
Task 4	Project Management/Outreach	\$ -	\$ 37,658	\$ 37,658
	Grand Total	\$ -	\$ 242,288	\$ 242,288

A breakdown of estimated hours and staff hourly rates are provided in Table Att6-2. This table summarizes by task and subtask, hours for Zone 7 staff and contract costs.

The cost of Task 2.5 Waste Handling will be included in the CPT/MIP Contractor bid costs and does not require extra Zone 7 staff time.

The cost of Task 3.4 Meetings with the RWQCB and Fairgrounds staff is included in the costs for Task 1.2 Select Passive Soil Gas and CPT/MIP Locations. These meetings will take place during Task 1.2 and will serve to gather input from the RWQCB and Fairgrounds staff for the proposed sample locations.

Project management is 4.7% of the requested grant funding, and includes Zone 7 staff time to prepare four quarterly reports in addition to the day to day management of contracts, budgets, and schedules (Task 4.3).

Contractor quotes for Phase I-style data gathering including maps and aerials, PSG, CPT/MIP with grab groundwater samples, and well profiling services that were used for budget purposes are attached.

TABLE ATT 6-2
ZONE 7 WATER AGENCY
DETAIL OF PROPOSED BUDGET
PCE Contamination Assessment, Central Bernal Subbasin, Pleasanton CA

Task	Description	Principal Engineer (\$208/hr)*	Associate Engineer (\$163/hr)*	Assistant Engineer (\$151/hr)*	Technician (\$108/hr)*	Laboratory Chemist (\$140)*	Contract Costs	Total	Source of Local Funding
1	PREPARATION								
1.1	Research Potential Source Locations			40			\$ 1,200	\$ 7,238	Expansion**
1.2	Select Soil Gas and CPT/MIP locations	4	4	32				\$ 6,314	Expansion**
1.3	Request For Bid and Contractor Selections	8	16	80			\$ 1,200	\$ 17,545	Expansion**
1.4	Permitting (Encroachment, License Agreements)			24			\$ 10,000	\$ 13,623	Expansion**
1.5	Environmental Compliance/CEQA		8	1			\$ 50	\$ 1,502	Expansion**
	SUBTOTAL	12	28	177	0	0	\$ 11,250	\$ 46,222	Expansion**
2	FIELD WORK								
2.1	Passive Soil Gas Sampling			30	40		\$ 15,000	\$ 23,836	Expansion**
2.2	CPT/MIP Survey			80			\$ 68,000	\$ 80,077	Expansion**
2.3	Groundwater Sampling ***							\$ -	Expansion**
2.4	Well Profiling Survey of Supply Well			24			\$ 31,315	\$ 34,938	Expansion**
	SUBTOTAL	0	0	134	40	0	\$ 114,315	\$ 138,850	Expansion**
3	DATA MANAGEMENT/INTERPRETATION/REPORT								
3.1	Laboratory Analyses					68		\$ 9,500	Expansion**
3.2	Database Management		10		5			\$ 2,165	Expansion**
3.3	Map Vertical and Aerial PCE Distribution	5	5	40				\$ 7,893	Expansion**
	SUBTOTAL	5	15	40	5	68	\$ -	\$ 19,557	Expansion**
4	PROJECT MANAGEMENT/OUTREACH								
4.1	Project Management	8	8	35				\$ 8,250	Expansion**
4.2	Public Outreach	4	4	8				\$ 2,691	Expansion**
4.3	Schedule and Budget Management			20				\$ 3,019	
4.4	Information Dissemination			16			\$ 200	\$ 2,615	
4.5	Project Deliverables	8	8	120				\$ 21,082	Expansion**
	SUBTOTAL	20	20	199	0	0	\$ 200	\$ 37,658	Expansion**
	GRAND TOTAL	37	63	550	45	68	\$ 125,765	\$ 242,288	

* = Project billing rates include Zone 7 overhead expense; however, reimbursement rate (i.e., Grant Funded) does not include Zone 7 overhead expense.
Expansion** = Expansion Fund which is funded from Water Connection Fees, *** = Budget expenses included in other tasks

Winey, Colleen

From: Newton, Karen
Sent: Thursday, July 12, 2012 2:19 PM
To: Winey, Colleen
Subject: FW: EDR

FYI

Karen M. Newton
Assistant Engineer
Water Quality
Zone 7 Water Agency
925-447-6704 x119
knewton@zone7water.com

From: BDickinson Brett [<mailto:BDickinson@edrnet.com>]
Sent: Thursday, July 12, 2012 2:17 PM
To: Newton, Karen
Subject: EDR

Hi,

From our discussion on the phone you had requested a ballpark estimate for your approximate 1-2 square mile target property. Here is a breakdown of the costs:

Database Search- \$395

If you would like to add well data and/or GIS it is half the cost of the area study

Sanborns- \$135 + \$10 per map

We would first have to do a sanborn search which is \$135. When the results are in you can choose which years you would like to purchase. When purchasing a year you have to take the entire years' worth of map coverage at \$10 per map

Topos- \$105-\$210

We would first have to do a topo search \$105. The search will identify how many topo sets are needed to cover your target property at \$105 per set. If you place an order for the topo maps I will credit you back the search fee.

Aerials- \$145-\$290

We would first have to do an aerial search \$145. The search will identify how many aerial sets are needed to cover your target property at \$145 per set. If you place an order for the aerials I will credit you back the search fee.

City Directory- \$105

For 10 addresses

Chain of Title- \$350 first APN, \$155 each additional APN

If you have any further question or would like to place the order please contact me.

Thank you,

Brett Dickinson | Account Executive

Direct: (800)863-1545

Main: (203)783-0300

Environmental Data Resources, Inc.

440 Wheelers Farms Road, Milford, CT 06461

COST ESTIMATE

June 28, 2012

Prepared for: **Zone 7 Water Agency**
100 North Canyons Parkway
Livermore, CA 94551

Beacon Project No. 2553

The following cost estimate is for providing a BESURE Sample Collection Kit™ containing 50 field samplers and two (2) trip blanks for soil-gas services in support of the PCE Source Area Investigation in Pleasanton, CA, as described in the attached Proposal. The charges include preparation and shipment to the site of a BESURE Kit™ with detailed instructions, analysis of samples with GC/MS instrumentation following EPA Method 8260C, and two copies of a survey report with color isopleth maps. As an option, Beacon will provide one person to lead the installation of samplers and provide training on retrieval and return shipment procedures. If this option is selected, Beacon will provide all equipment necessary to install the PSG Samplers.

Estimate of charges:

Item	Unit	Quantity	Unit Cost	Extended Cost
Custom Preparation and Shipment to Site of a BESURE Sample Collection Kit™	Lump sum	1	\$520	\$ 520.00
Analysis of Field Samples and Trip Blanks by EPA Method 8260C	Analysis	52	\$165	\$8,580.00
E-Copy of Survey Report with color isopleth maps (PDF) and Data Tables (XLS)	Lump sum	1	Included	Included
TOTAL COST				\$9,100.00

Optional Charge:

Item	Unit	Quantity	Unit Cost	Extended Cost
One Beacon Soil-Gas Specialist to install PSG samplers with assistance from Zone 7 Water Agency representative, plus provide on-site training on retrieval and return shipment procedures. Beacon will provide all equipment necessary to install the PSG samplers.	Lump sum	1	\$5,310	\$5,310.00

Invoices will be submitted when fieldwork is completed and when survey results are issued. The final invoice will reflect the actual number of samples collected and analyzed. All invoices anticipate payment within 30 days of the invoice date.

“BEACON — A PROVEN LEADER IN SOIL-GAS SURVEYS”

323 Williams Street, Bel Air, MD 21014 USA phone: 1-410-838-8780 fax: 1-410-838-8740 www.beacon-usa.com



Water-Supply Well Diagnostic Services Quotation (No Pump Removal) - AMEC

Quotation Date: July 12, 2012

Quotation Code: ZONE7-0701212 Ambient and Dynamic

Point of Contact:

Ms. Colleen Winey, PG

Zone 7 Water Agency

100 North Canyons Parkway

Livermore, CA 94551

925-454-5063

925-454-5727 fax

Dynamic Flow Meter and Water Sampling Survey / Pleasanton, CA

Chain Survey To Clear Annular Access Inside Well (Performed by BESST) - includes mob and demob to site for chain survey only

Mob / Demob

Set Up Fee

Dynamic Flow Profile (Up To 20 injection points per well)

Dynamic Groundwater Profile (Up To 8 1-liter Samples)

Bailing Fee For Organics (Up to 8 one-liter samples)

Comprehensive Flow and Mass Balance Report Included in Price

Service Options

Extra Tracer Pulse Injections

Extra Pumped Groundwater Samples (> 8 vertical sample points)

Extra Bailed Groundwater Samples (> 8 vertical sample points)

Extra Liters/ At Each Vertical Location

Standby Rate (see below)

Oil Lube Fee (only applies in situations where tubing because irreparably oil and cannot be economically cleaned and reused. Fee covers disposal and replacement of tubing.

Clamp On Flow Meter

Miniaturized Video Surveys

Mob/demob Camera System

Setup Fee

Video Survey

DVD Copies

Report

Ambient Flow Survey (With Laser Pulse System)

Mob/demob

Setup Fee

Ambient Flow Profile (Up To 20 injection points per well)

Ambient Groundwater Profile (Up To 8 1-liter Samples)

Bailing Fee For Organics (Up to 8 one-liter samples)

Total

1 ea.	\$	650.00	\$	650.00
1 ea.	\$	1,500.00	\$	1,500.00
1 ea.	\$	900.00	\$	900.00
1 ea.	\$	5,000.00	\$	5,000.00
1 ea.	\$	5,500.00	\$	5,500.00
1 ea.	\$	1,600.00	\$	1,600.00
1 ea.	\$	250.00		
1 samp.	\$	250.00		
1 ea.	\$	250.00		
1 liter	\$	75.00		
1 hr.	\$	275.00		
1 ea.	\$	1,000.00		
1 ea.	\$	650.00		
1 ea.	\$	350.00	\$	350.00
1 ea.	\$	250.00	\$	250.00
1 ea.	\$	985.00	\$	985.00
2 ea.	\$	40.00	\$	80.00
1 ea.	\$		\$	
1 ea.	\$	1,500.00	\$	1,500.00
1 ea.	\$	900.00	\$	900.00
1 ea.	\$	5,000.00	\$	5,000.00
1 ea.	\$	5,500.00	\$	5,500.00
1 ea.	\$	1,600.00	\$	1,600.00
			\$	31,315.00

Total May Be Larger Based On Extra Water Samples, Injection Points, Night and/or Weekend Work, Standby

Notes and Conditions of Service:

1. Service does not include water storage and disposal
2. Service does not provide lab bottles and analytical service
3. Assumes a 10-hour work day
4. Quote Includes Travel Expenses
5. Customer Provides Flow Meter For Each Well
6. Customer to insure presence of spigot on discharge line for dynamic survey and to provide BESST with dimensions for hook-up
7. BESST or Customer to provide water level indicator to monitor drawdown
8. Customer to insure Pumping Water Level in well has reached steady state draw-down before BESST work begins.
9. If steady state draw-down has not been reached and BESST must wait for stable PWL, then BESST will charge standby rate until well has reached steady state draw down. This fee will be added to the service fee for profiling the well.
10. If there is a significant change in PWL during testing of well and BESST is required to reprofile as a result, then BESST will charge the itemized injection and sampling fee (see above) for each additional injection and sample that exceeds the package price.
11. Pricing assumes a series of wells to profile in a single mob
12. If BESST is required to work at night or on the weekends, then BESST will charge a night fee inclusive of costs for a second profiling crew and expenses. The price for the night or weekend fee is \$3,500 per night or weekend day.
13. Mob/Demob Pricing discounts assume that well profiling will happen sequentially throughout project - eliminating need for multiple mobs.
14. Quotation Good For 90 Days

BESST INC

50 Tiburon, Bay 7

San Rafael, CA 94901/ 866.298.8701 / nheller@besstinc.com

cell: 415.302.7354



GREGG DRILLING & TESTING, INC.

SPECIALIZING IN ENVIRONMENTAL, GEOTECHNICAL AND IN-SITU TESTING

July 10, 2012

Zone 7 Water Agency
Ms. Karen Newton
925-447-6704 x 119
knewton@zone7water.com

SUBJECT: COST ESTIMATE FOR CONE PENETRATION TESTING/MIP SERVICES AT THE DRY CLEANER PROJECTS LOCATED IN THE LIVERMORE AREA, CALIFORNIA

Dear Ms. Newton:

Pursuant to your request, you will find the enclosed cost estimate for the project located in **Livermore, California**.

COST ESTIMATE:

Mobilization/Demobilization/Daily Travel 10 days at \$330.00 per day	\$3,300.00
CPT Services (includes rig, support equipment and grout materials) to include: Conduct three CPT/MIP soundings to a depth of 60 feet. Collect one water sample 1 adjacent holes to a depth of 60 feet. 10 days at \$3,500.00 per day	\$35,000.00
Materials to obtain water samples 30 samples at \$50.00 per sample	\$1,500.00
MIP rental (to be contracted by Zone 7, this is an estimate) 10 days at \$2,800.00 per day	\$28,000.00
Drums for excess soil and water 10 drums at \$65.00 per drum	<u>\$650.00</u>
Total:	\$67,950.00

ASSUMPTIONS:

Level D safety protection
Site accessible for equipment
Asphalt or dirt surface
Water is available on site

SOUTHERN CALIFORNIA: 2726 WALNUT AVE, SIGNAL HILL, CA 90755 (562) 427-6899 FAX (562) 427-3314
NORTHERN CALIFORNIA: 950 HOWE ROAD, MARTINEZ, CA 94553 (925) 313-5800 FAX (925) 313-0302

www.greggdrilling.com

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Ms. Newton

July 10, 2012

Daily rate includes up to ten hours per day on-site

Additional time will be billed at rig rate plus \$50.00/per man, per hour

Client to contract MIP services directly

TERMS and CONDITIONS:

The preceding costs represent our best estimate for the tasks, as we understand them. The cost estimate does not reflect additional charges which would be incurred for standby time or adverse drilling conditions, subcontractors such as rental equipment, concrete coring/saw cut, port-a potty, etc. All subcontracted items will be billed at their cost plus 20%. The cost estimate does not include any taxes that may be charged. The client will be responsible for obtaining the necessary permits and for the clearance of underground utilities. The client will provide copies of USA notices to Gregg Drilling at least 72 hours prior to start of work so that we can use information contained in those notices to also notify USA, as required by law. Gregg Drilling will not be responsible for any damages to underground utilities. Client will be invoiced following completion of the work or every two weeks whichever comes more frequently; all bills are due and payable within 30 days of the date of the invoice. Invoices not paid within 30 days will be subject to a 1.5% per month finance charge.

ACCEPTANCE of PROPOSAL:

Please sign and fax back a copy of this proposal to indicate acceptance of the proposal and conditions.

Accepted by:

Client Name: _____

Signature: _____

Name (printed): _____

Title: _____

Date: _____

Gregg Drilling & Testing, Inc. would like to thank you for the opportunity to submit a bid on this proposed work and look forward to assisting you on this project. We will be pleased to discuss the details of this work and to provide any further information you may require. Please feel free to contact me at (925) 313-5800 with any questions you may have.

Sincerely,

GREGG DRILLING & TESTING, INC.



Christopher Pruner
Operations Manager

zone 7 kn 071012 cpt mip Livermore